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" Commission, 1922-19240

HYDRO-ELECTRIC INQUIRY COMMISSION

HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Leports au investigation

AUG 22 1958

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FINANCIAL Comm

REPORT ON INVESTIGATION OF ACCOUNTS

OF

WASDELL SYSTEM

DATED NOVEMBER 7, 1922

Piece, Waterhouse & Co.

TORONTO, ONT., CANADA

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PRICE, WATERHOUSE & CO.

UNITED STATES. CANADA. MEXICO.
GREAT BRITAIN.

CONTINENTAL EUROPE, ETC.
PRICE, WATERHOUSE, PEAT & CO.
SOUTH AMERICA
PRICE, WATERHOUSE, FALLER & CO.

ALSO, GREAT BRITAIN W. B.PEAT & CO. ROYAL BANK BUILDING

TORONTO

Movember 7, 1988.

W.D. Gregory, Seq., Chairman, Hydro-Wheetrie Inquiry Commission, Toronto, Ontario.

Dear Sirt.

MANDELL SYMPRE AND VANDREL MINAL LINES

Pursuant to your instructions we have made a general investigation of the accounts and records relating to the Masdell System and the Wasdell Rural Lines, operated by the Sydro-Electric Power Commission of Ontario, and we have prepared therefrom and submit herewith the following Exhibits:

Exhibit I Operating Account of the Mandell Dystem

- a la Analysis of Rovenue from Runicipalities, etc., tegether with Morse Power Loads and Rates
- " II Operating Account of the Wasdell Bural Lines
- * III Statement showing the basis for the annual rate of Reserve for Renewals
- * IV Statement of Accounts due by Municipalities in respect of the cost of power at October 31.

 1921, unpaid at September 20, 1922
- V Excepts from a Contract with a Sunicipality re summly of Electrical Power

MOOTH OF MANAGEMANTON

The books and accounts of the Hydro-Cleetric Power Comissian of Ontario have been sudited by Er. G.T. Clarkson, P. C. A.,
of Hessra. Clarkson, Gordon & Dilwarth, therefore it was decided that
our investigation should be limited to a general review of the accounts
and an inquiry into any important questions of principle involved
therein.

present weeks not not accommo aports from trained and are not enture rather which it is the property of the in analysis of Jornan Com Hartingarities, 640., the entitionable of one alamost to record to record to the control of means, Clother, Orniver, Alexander & Distriction Committee is and Administration

The accounts of the Wasdell System and the Wasdell Rural Lines are contained in and form a part of the general books of the Hydro-Bleetric Power Cossission of Ontario, and are resorted upon herein, according to the following sub-divisioner

ACC PRINTS

Zalanco as at October 31,1931 Crost 700018

CADITAL MYRITHET OPPRAYING ASCOUNT RESERVE FOR RECEMALA RELEWS ION SPATIO NEED. Wandell System Unsdell lural Lines RESERVE FOR CONTINUENCIES

30.973.73

ACCOUNTS WITH MUSICIPALITIES. Power Assounts Receivable Accounts in Respect of Cost of Power (adjusted) 19,117.30 11,100.51 STI.43 360.64

6,665.13

3330 303 00 0

RISTORY AND ORGANIZATION

The Wasdell System had its incomtion in 1913, when the Commission purchased, for 38,200.00, property adjoining Wandell Falls on the Severn River, and commenced construction of a nover development plant. The physical proporties consist also, of low tension lines and distributing stations. The development of the water nower was amproved by Order-in-Council under date of April 31, 1913, as follows:

"Upon recommendation of the Mydre-Mictrie Fower Commission of Ontario, in that behalf, the Cormittee of Council advice that pursuant to the provisions of "The Power Commission Act Charter 19. 7 Edward VII and associants thereto, the Commission be authorized to develop the water power Impun as Gasdella Palls on the Severn River in the Province of Ontario such authority to cover the following matters:

Deput Industry with min-support Industry and to classical toll background had blood and the major to major the district of the

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HOW THE BUSINESS THE

- 1. The purchase of the Riparian rights necessary for the development
- 2. The purchase of necessary material and equipment for construction of the plant at Masdells Malls for the generation of electrical energy and its transformation for transmission to the Municipalities in the Campington and Reaverton Districts
- 3. The construction of transmission lines and transformer stations for delivery of power to the Eumicipalities in the Cannington and Deaverton District, including both low and high tension transmission lines.

The recommendation of the Commission referred to in the Orderin-Council is made a part of that Order-

In November 1914, the System began to serve four manicipalities with power and late in 1916, the Commission, acting on behalf of the Sandell System, commonded selling part of its surplus power to the Savern System. At the close of the latest fiscal year of the Commission, October 31, 1921, the System was serving electrical power to six municipalities, as listed below, and one Company, (the Crushed Stone Company, Limited, at Righfield) besides continuing the sale of power to the Savern System:

| Amicipality | Date commenced | Date of Contract |
|--------------------------------------|------------------------------------------|-----------------------------------|
| Beaverton Camington Sunderland | November 1914 November 1914 * 1914 | 10, 1913 10, 1913 1013* |
| Woodville Drechin Firkfield | January 1918 June 1920 | April 2, 1913 February 34,1930 |

*Date emitted on contract on file

The form of contract in use, relating to the supply of electrical power by the Commission to the Funicipality of Brechin, is set forth on Exhibit V, attached heroto, and is challar in form to that of each of the other numicipalities listed above.

Under date of Hovember 38, 1919, the Hydro-Rectric Fower Commission of Ontario, entered into an agreement for the supply of

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still in Southern in best her discut

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To proper and not described and better of the persons to make the

electrical power to the Humicipal Corporation of the Township of Eldon, which agreement covers the delivery of Eydro-Electric power to residents or users within the Township. It is agreed that the Commission will reserve and deliver electrical power, as required by the Corporation, on the basis of cost, and that the agreement chall remain in force 30 years from the date of the first delivery of power. The Crushed Stone Company, Limited, lies within the Township of Eldon and is a user of Eydro-Electric power.

ment, for the supply of electrical power, with the Crushed Stone Company. Limited, an agreement has been entered into for such service, between the Sumicipal Council of the Sommable of Eldon and the Stone Company, and a copy of that indenture is on file with the Commission.

The agreement with the Crushed Stone Company, Limited, just referred to, is for a period of five years, with extension privileges, and the Componition reserves the right to appoint the Sydro-Electric Power Commission of Ontario its authorized agent to administer the agreement and to collect all revenues as provided therein. According to the agreement the Componition reserves for the customer 100 kilomatts of electrical power, with privileges in respect of increase, at a rate of \$1.00 per month per horse power of maximum demand, as a service charge, plus a consumption charge per kilowatt hour on a differential basis.

The Wasdell Rural Lines upon which construction was started in 1918, in the vicinity of Deaverton, included, as at October 31, 1921, lines operated by Beaverton, Brechin, Sunderland (Brock Yomiship) and Woodville. As stated by Mr. Clarkson in the report on the accounts as at October 31, 1921, "The Bural Lines of the System are operated by sunicipalities which supply power thereto through their local Commissions. Buch municipalities collect the revenue from the customers on these rural lines, pay all operating costs and also pay to the

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Appropriate the contract of the property and the property and the contract of the contract of

Sometime and mysteristics will be made and the stand of the

Corrierion interest and minking fund on the capital invested by it.*
CAPITAL INCOMES - 0335,301.09:

The investment in plant, equipment, etc., of the Tackell Dyster and Inval times embraces the following, the balances being s'una at the close of each fiscal year, for the five years ending Schmer 31. 16%1, (cente calited):

| | | As at | 00 \$50 | 31 | | |
|-----------------------------------------------------|---------------------|---------------------------------------|----------------------|----------------|-------------------------|--|
| Appointe | 1017 | 1010 | 2010 | 1000 | 1931 | |
| Power Davelopment Wood Pole Lines Transfermer | 0179,913 110,708 | | \$140,707 110,943 | 0141,760 | 0141,005 104,100 | |
| | 14,830 | 14,730 | 14,730 | 20,215 | 20,900 | |
| | | 0865,768 | 0205,766 | | 1521,000 | |
| Distribution and Pural Lines | | 4.337 | 7.696 | | 12,300 | |
| Construction | 400 | · · · · · · · · · · · · · · · · · · · | \$ \$ 100 to 100 | A. L. D. W. C. | ## 12 \$ 100 € E | |
| Total | 3804,731 | 4070,100 | \$575,48A | 5332,037 | \$355,403 | |

consists chiefly of ex-enditures insurred during the fiscal year ording between 51, 1930, in stringing aluminum cable to replace sizel cable, and in installing a second telephone circuit between Unedell Falls and Punisher Junction.

The increase in the investment is transferrer stations, another inc to \$12,389.00, consists chiefly of expenditures incurred during the fiscal year ending Detaber 31, 1980, in the construction and emignent of a new station at Eirkfield.

unalysis of capital assets was submitted by us for consideration. On Substitut VII, attached to that memorandom, will be found details in connection with the cost of the Sandell System, from the communication thereof, to Sciober 31, 1921, preserved from the Assumiting Scrambourt



records of the Mydro-Electric Power Commission of Ontario.

August 31, 1932, the date of the latest closing of the accounts, are as follows:

| Particulars | 0etober 31 1921 | August 31 1922 |
|-------------------------------------------------------------------------------------------------|--------------------|---------------------------|
| Cedarburst, Manle | | |
| Reach and Lovers Lane | 9 4,757.40 | 04,757.48 |
| Cedarturet Line out of Beaverton | 418.70 | 471.97 |
| Haple Beach Section | 310.67 | 354.40 |
| Maniet of Camebridge | 30,48 | 30.48 |
| Extension to Woodville Primary | | |
| Lines, north into Wldon Township | | The Miles on Mile on City |
| to Number of Lorneville | 2,748.16 | 3,095.63 |
| Prock Township Primary Line | 3,541.89 | 3,541.89 |
| Mara Tomohip | 301.71 | 301.71 |
| Thorah Township | 201.06 | 281.06 |
| Beaverton Rural Power District- | | W 200 A 100 |
| Secondary Circuits | | 550.4) |
| Cannington Rural Power District- 1.25 miles primary lines with secondary lines to serve 3 | | 4 |
| onethers .35 mile primary and secondary | | 1,163.98 |
| lines to serve one consumer | | 10.88 |
| Secondary circuits only | . Notice of | 238.33 |
| Total | \$12,309.15 | \$14,505.93 |

The Engineers and Accountants of the Commission are, we are informed, now engaged in classifying the above expenditures as between those in respect of primary lines and those for other purposes, which, we understand, will serve as a basis for recommendations to be made by the Commission to the Coverment, regarding the reinbursement of the funds expended for constructing and erecting in the rural power zone, primary transmission lines and cables for delivery of electrical power.

Estimate of Additional Funds required for Construction - \$155,000:

as at October 31, 1921, additional funds of \$120,000.00 and of \$35,000.00 will be required for the Wasdell System in order to complete, during the years ending October 31, 1922 and 1923, respectively, work



now in progress and for betterments and extensions to be undertaken, and of reral lines to be assets to the farthest of the proposed expenditures are set forth in the "Methestee" and "Marther (appleauniary Methestee" of the Province of Octavia, for the fiscal years ending October 31, 1722 and 1933, wrinted by order of the Lociolative Assembly of Octavia. Triofly stated they are as follows:

Tartimizes

Years ending October 31 1933

littions and Lines for Divides

200 Fort Perry - probine cost of
extensions

Fiscalliness Setternats

Furst extenditures on account of
Divide title that is being the
already under contention

Potal

0 55,500.00 0

54,000.00 25,000.00

3130,000.00 \$ 35,000.00

It is recommed that a report you thous estimates avoid be made by Tr. Walter J. Propose.

CONTRACTOR ACCOUNTS:

The Operating Account of the busdell System for each of the four years anding October 31, 1021, is attached bareto.

Exhibit I, which is emported by Exhibit In. giving further details in respect of revenue and of rates for power. For convenience of reference, the following brief exercises of the operating results for the four years, sub-divided according to menicinalities, the Jevern System, and the one company, in given (cents omitted):



| Partionies | Toars ending detaber 31 | | | | | | |
|-------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------|--|--|--|
| | 1018 | 1010 | 1090 | 1971 | | | |
| | | | | | | | |
| Comicipalities: | | Í | | | | | |
| Bevenue (per overating account) before arelying Profit or Law | | i e | | | | | |
| Profit or an enterof | \$19,975 | 010,310 | 9a1,650 | \$21,500 | | | |
| yover (on east hasis). To Covern System To Company |) _p | \$\$\$\$\$\$ | .s | MAR Marie Angle | | | |
| Tet Anoms | \$16,700 | 016,004 | 410,335 | \$19,274 | | | |
| Onerating Cost Fixed Charges | 4,870 | 0.150 11.694 | 00,784 | \$ 5,932 12,343 | | | |
| Total Expenses | 716,786 | 316,804 | 719,336 | 819, 474 | | | |
| Salames | | T. A.S. | N. | 79.4.1 | | | |
| Severo System: | | 318.300 | 313,417 | | | | |
| Oversting Cost | | | 7 0.007 | | | | |
| Fixed Charges | | | 9,400 | | | | |
| Total Excesses | 712,313 | \$14.000 | 914,712 | 917,303 | | | |
| Estance transferred to Emicipalities | Carlo d | \$ \$60 | * · · · | 4 | | | |
| Private Company: | 8 | | * | | | | |
| levense. | * | ** | 3 5,007 | 0 0.440 | | | |
| Onerating Cost | ** | - | 0 1,701 | 0 0,363 | | | |
| Timed Charges | 额 | 30p | 3,070 | 7,393 | | | |
| Total Revenues | | \$ MA | \$ 8,670 | 320,755 | | | |
| Palance transferred to Continuousy Reserve Ralance transferred to | ☼ | | | - sab | | | |
| Tamicipal Ities | 1 | *** | ** | 1 1 1 | | | |
| Together (per operating Account). | | TO SEE SEE SECTION OF THE SECTION OF T | | | | | |
| Granting Cost, etc. Fixed Charges | 30.010 | 31.044 | 014,732 | \$15,360 27.023 | | | |
| Conditioned Totals | | | 039,746 | 140.300 | | | |
| Torontore of Fixed Charmes to Total Threasen- | | A CONTRACTOR CONTRACTO | | | | | |
| For Amicipalities | 70.000 | 00.355 | 00.100 | 64.05 | | | |
| Constant | 06.31 | 63.03/ | 07.076 | 16.05° | | | |
| * Trivate Correcty | Apre | 40% | TO. MIS | 68.755 | | | |
| contined | 09.01.5 | 99.33 | 03.03 | 63.74% | | | |



tice were charged with the Cost of Power and the distribution thereof and with that proportion of fixed charges which pertained to the power mapplied. The power sold to the Severa System and to the Company (the Crushed Stone Company) was, in each case, charged with its proper proportion of operating expenses and fixed charges, and may profit or loss resulting from such case, was transferred either to accounts with municipalities or to the Reserve for Contingencies.

The operating results shown shows are those stated in the published accounts of the Commission. As at October 31, 1930, an adjustment, representing a reduction of \$20,535.60 was made by the Commission on account of the Reserve for Renewals, included in the cont of saver, from inception of the System, to October 31, 1919, the annual renewal rate having been reduced from \$50 to 35, on the basis more fully discussed in connection with the Reserve for Renewal Account. Of the total adjustment, \$7,973.01, exclusive of interest, is applicable to two of the periods included in the above survey of sparating results, the effect thereon being as follows:

| Particulars | Year ending | | | |
|--------------------------------------------------------------------------------------------------------------|--------------------------|---------|--|--|
| Total Claud Charges per above | 1010 000,002 3,007 | 2010 | | |
| Less- Adjustment Fixed Charges as adjusted Operating Sost, sto. Forether (Total Cost) | 010.008 | 017,058 | | |
| Torontor of Fixed Charges to Total Cost (adjusted) As corpored with recontages before adjustment of | 04.00% | 61.506 | | |

It should be mentioned that the net loss, on the cost basis of 14.893.00 since betwher 31, 1917, resulting from males of namer to

the Severn System, and the loss of 32,315.00 on power cold to numbry customers in 1931 has been transferred to revenue account of the municipalities and distributed thereto in proportion to the amounts paid in respect of maintenance and certain operating costs of the System. For the period from September 1916, the date the Wandell System becam supplying power to the Severn System, to October 31,1917, a profit of \$7,400 was realized and treated in the above manner as reflected by the audit report of that period by Sr. C.T. Clarkeon.

The profit on the cost basis on power sold to the Severn System, over the entire period of operations aggregated \$3,505.00.

Open reference to Rochibit la it may be observed that the electrical power furnished the Severn System each year is of substantial amount, but in making the adjustment of the renewal reserve an explained above, due to a flat rate of \$35.00 per horse power having been charged the Severn System by the Wasdell System from September 1916 to October 31, 1930, no proportion of the adjustment was credited to the Severn System. With reference to the rate charge—able to one system by another system for electrical power furnished, the Fower Commission Act provides as follows:

"The Commission shall have the right wherever shysical connections may be made between any of the Systems operating under this act to make the necessary connections as to divert power from any one prater to may other system, and the means of such connection, and the price to be paid by the system receiving much power to the system surplying much power shall in all cases be determined by the Commission, and the cost of the power so taken by any one system from any other shall be dealt with by the Commission under the provisions of the Act as the cost or part of the cost of the power to be maid by the municipalities forming part of such system under their contracts with the Commission." (Section 23c of The Power Commission Act)

The price papable for namer by one system to another shall be collected by the Commission from the system owing the same for the system entitled to receive the same, and all same so maid to any system shall be applied to the cost of construction, maintenance and operation of such system in such manner as the Commission may direct."

(Section 33d of the Power Commission Act)

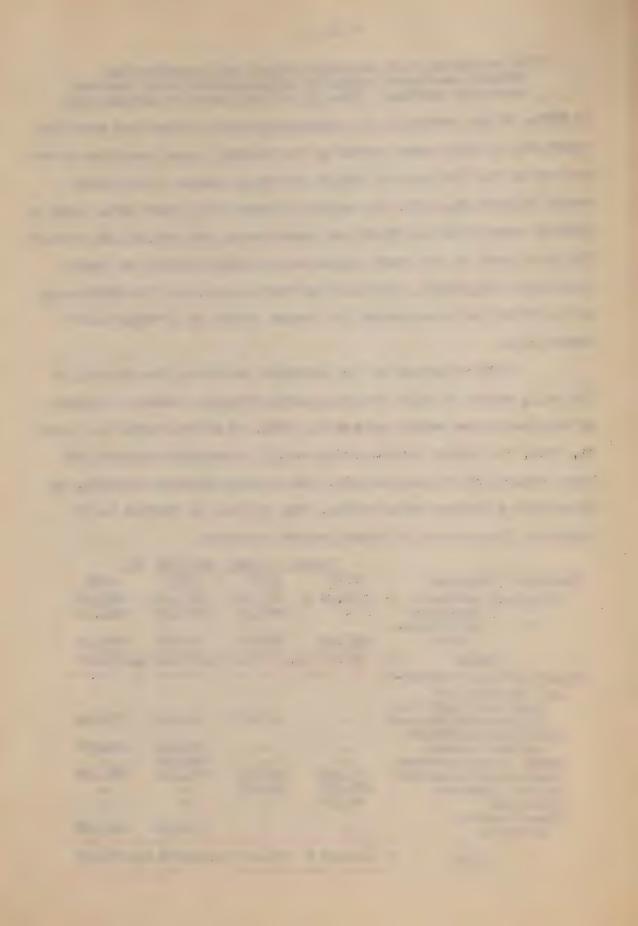
The second of the

"The Commission shall are mally adjust and apportion the assumts sayable by manietal corporations under the next preceding section." (24- (1) of the Power Commission Act)

In 1931, it was decided by the Commission that as from that year the power sold to the Severe System by the Fasdell System would be at cost and not at the flat rate of \$35.00 per horse power. In the year ending October 31, 1931, the assumt collected for power sold, based on interim power bills at \$35.00 per horse power, was \$10,565.61, whereas the total cost of the power delivered by Easdell System to Severa System was \$12,363.60, or \$39.21 per horse power, and the difference of \$1,607.00 has been charged the Severa System in a "thirteenth" power bill.

With reference to the Operating Accounts, they do not, in the main, ampear to call for any special comment, either in respect of the four years ending October 31, 1921, or of the period to August 31, 1922, the latest date to which monthly Operating Accounts have been prepared by the accountants. As regards everhead expenses, we show below a further sub-division, then is made on Exhibit 1, of Euclina December and of Missellaneous Transco:

| | | | 2.35% | end to | 4 | Cotober | 400 | * |
|--------------------------------------------|-----------|--------|---------|----------------------|---------|---------------------------------------|-----|-----------------|
| inmicinal Transces | | 1918 | | 1910 | | 1020 | | 1001 |
| Manicipal Auditors | | 103.35 | 3% # | 74.30 | 100 mg | 200.07 | | 477.46 |
| * Adrinistra- | è | 554.32 | | 750.40 | | | | 901,46 |
| Total | 1 | 667.67 | \$ 1. | ,194.61 | | .,000.41 | | 141.20 |
| Miscellansons Taylonsos. | | | | | | 00000 | _ | |
| All Stations and Lines and Tools Vn- | | | | to the second | St. | 40.04 | A | 130.13 |
| distributed Topense Undistributed Truck | | 柳 | | 10.70 | 3,83 | *** * * * * * * * * * * * * * * * * * | 17 | San Park Waller |
| and Car Tryong | | *63 | | 1600 | | 400.00 | | 367.77 |
| Field Department and Tetineting Department | | 00.00 | | 106.90 | | 330.16 | | 394.19 |
| · Conoral Treenas | \$ | 579.39 | | 116.25 | | 表现海岸是哪 | | |
| Indiration | | 04.07 | | eth out on a section | | 40% | | 849 |
| Tiscolluments Tryoned | - | \$# | | *** | PROGRAM | 107.43 | | 717.08 |
| Total | Fm. | 493,14 | 125 | 341.00 | | 1,130.73 | 李 第 | ,279.17 |



The charges to the former account have been emplained by representatives of the Commission as consisting of the entaries and empenses of municipal auditors and empineers, together with the parties of the cost of municipal administration amplicable to the municipalities in the System.

On Bohibit II is shown the Operating Account of the Wandell Dural Lines.

EVENEZE FOR RESPASS - 938,075.73:

The balance in the Reserve for Reseals of the Mastell System arounted to \$30,973.73 at Detober 31, 1971, after giving effect to adjustment referred to later, herein, and may be briefly currentized as follows:

| Period | Annual Acerual baced upon 2/ of the Capital Investment | Interest at | Together |
|------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------|------------|
| 1915 to October 31,1916 Fincal year ending October 31, | 0 9,533.91 | 100.70 | 9 0,703.61 |
| 1017 | 9,250.68 8,318.37 | 368.14 614.68 | 5.047.08 |
| 1919 | 5.315.36 | 1,007.00 | 0,100.03 |
| | | 1,379.34 | 7,000,00 |
| Trent let | \$37,800.00 | 8 4,611.34 | 142,313.34 |
| Deduct- | | | |
| Cost of new Ventilator Comingement of Cross-An Reserve accrued on stee | ma, oto. | \$ 243.27 474.30 | |
| remlaced Cost of Retary Tem, co Reserve amplicable to e | rmlete mulremt | 1,810.45 350.10 | |
| transferred | | 9.00.10 | |
| Interest avalleable to | above charges | 0 3,141.10 | 3,430.51 |
| Dalance at October 31 | | | 339,873.73 |

During the period from the commencement of operations, to uptober 31, 1910, the additions to the Heserve for Hammale in respect



of properties of the System, were provided through inclusion, in the cost of power to the manicipalities, of an annual charge of Sid on the capital investment. Interest at the rate of 42 per annual the balance in the Reserve Assount is credited to that account.

In the ficeal year ending October 31, 1926, mean the advice of its incincers, the Cormission reduced the annual renewal rate from 35% to 2% on the capital investment, while the interest rate of 4% remained unchanged. The accounts of the Cormission were so adjusted that the rate of 3% was made effective from 1914 to October 31, 1919, and the same rement rate has obtained to October 31, 1971.

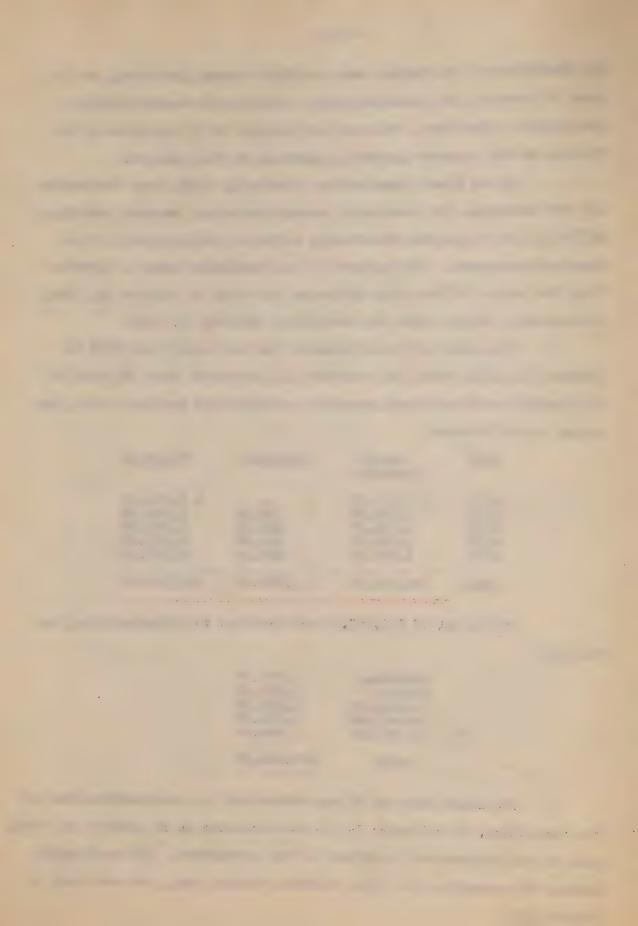
The amount of the adjustment for the period from 1914 to Detober SI, 1919, which has resulted in a decreased east of power to the various municipalities, amounted to \$20,585.80 and the effect, by years, is as follows:

| 1121 | Ammus. Previous | 17.5.12045 | |
|--------------------------------------|----------------------------------------------------------|------------|----------------------------------------------------------|
| 1915 1916 1917 1910 1919 | 3.300.13 3.784.07 3.944.77 3.988.02 3.988.49 | 115.55 | 3,300.13 3,800.00 4,835.00 4,447.07 4,044.00 |
| 70443 | 319,059.08 | 01,500.00 | 300,000.00 |

The amount of \$30,000.00 was credited to municipalities, so follows:

| Peaverton | 3 4,776.70 |
|------------|------------|
| Prochin | 3,039,49 |
| Carmington | 4,399.05 |
| Cardoriand | 3,733.73 |
| Contrille | 3,808.04 |
| Potal | 400.000.00 |

The annual rate of 24 was determined by a reclassification of the properties, as reflected in the book accounts as at October 31, 1920, made by the Engineering Separtment of the Commission. The reclassification of properties, the life, residual values, etc., are set forth in Endfalt III.



The sinking fund method of making additions to the Reserve at the rate of 3%, tagether with interest at 4% per assum on the balance in the Reserve Account is equivalent to a so-called straight line provision of approximately 3½% for a period of twenty-eight years. That is, while the assual provisions under the two sethods differ in account, either method would accomplate the sum required within approximately that period.

vided in accordance with Section 23 (b) and the second main paragraph of the care section of the Power Commission Act, both of which sub-divisions have been quoted in the report on the Risgara System.

The basis for ascertaining the amount of the Reserve for sinking fund each year is, for the Masdell System, the capital cost of the power development, lines and stations, completed and in operation. The method used by the Commission in calculating the assumt of the Sinking Fund Somerve of this System, is the same as is described in the remort upon the Riagara System.

as permitted under the Tower Cormission Act, the collection of the Sinking Rund was deferred for the period of five years for all

A service of the servic

collections were started, to Satober 31, 1921, the same provided by inclusion in power costs to manisipalities, to the Severn System, and to sundry Companies during each fiscal year, tesether with interest, are set forth below:

| Nartioniare | | in anding | October II. | * * * * * * * * * * * * * * * * * * * |
|-------------------------------------------------------------------------------------------------------------|-----|--------------------------------|----------------------------------|---------------------------------------|
| Assumte included as part of the cost of sover . To Simicipalities To Severn System To Communica | | 2.686.37 1.738.63 051.73 | 2,800.78 1,940.80 1,920.79 | 6,106.03 3,337.11 3,434.53 |
| Interest at 45 per souns | -1- | 169 | 311.00 | 211.23 |
| Palance | | 8,396.50 | 0,070.00 | 11,100.51 |

fund collectible at October 31, 1921 from five municipalities having taken power for eix years or longer, the initial charge being rade in the sixth year's power cost. The sinking fund charges deferred at October 31, 1931, amounted to \$191.33 in respect of the municipality of Eirkfield, the deferment being permitted, as the five year period had not elapsed.

Since the Severa System is corred with electrical power by
the Madell System, the question arises as to the equity the Severa
System may have in the physical properties of the Madell System
through Sinking And payments included in the cost of cover furnished.
It is our intention to deal fully in the ceneral accounting report with
the questions relative to the ultimate ownership of properties.

The Sinking Fund Reserve of the Fandell Rural Lines arounting at Dotoler 51, 1931, to 5611.43, represents accumulations from 1918 to 1931, of sinking fund instalments of 5568.38, and interest of 533.08 charved to municipalities served by the lines.

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is an investment of the second of the second

and the second s

BULLIONS FOR CONTROL NO. 64:

The Reserve for Contingencies was established by the Cormission for the purpose of providing for special leases or expenses not arising at regular intervals and not wholly applicable to the period in which incurred. The creation of such a reserve is sanctioned in Section 14b, of the Tower Cormission Act. The Reserve for Contingencies is provided by seems of ...

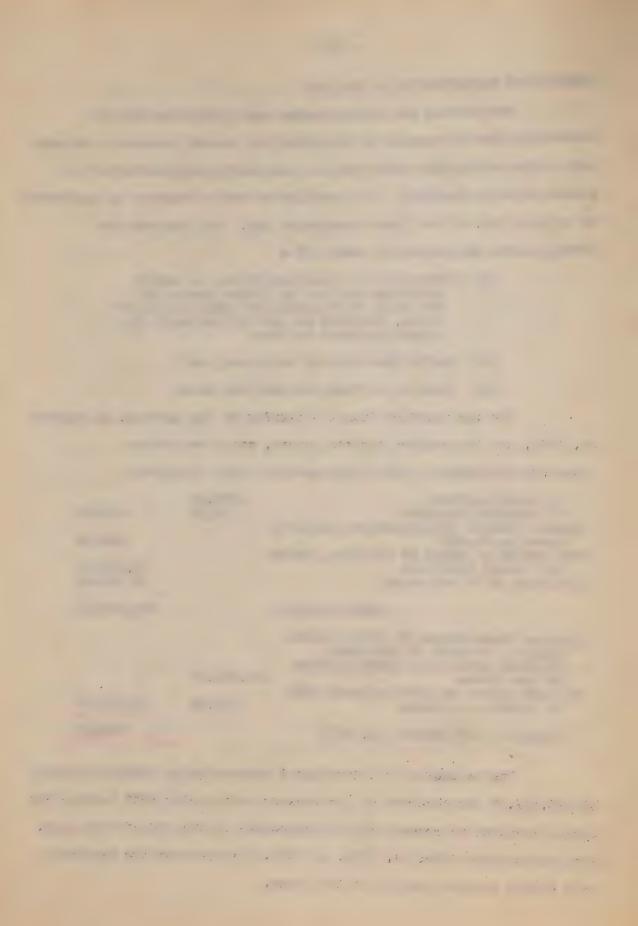
- (a) Charges to the numicipalities, to sundry customers and to the Govern Greter at the rate of 25 cents per lorse power per assum, included as part of the cost of power delivered to than
- (b) Frofit from onto of equipment, and
- (e) Interest at four per cont.per somes

The mea provided from the opening of the account, to Deldor 31, 1921, and the charges for the period, are shown below:

Amounts impleded so part of the cost of nowar delivered -

| To Unminipalities 0374.60 Private Communica 74.23 | 3 440,00 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Devem System proportionate charge on power purchased | |
| Not profit on sales of alwains, cable and sudry equipment Interest at 40 per annua | 10,414.70 |
| Yotal Credits . | (19,342.41 |
| Deduct- Proposed tures in 1970 amplied arminst the cost of stringing aluminum cable on a large portion of the Oreton | |
| To meet leaves in 1970 on power sold to private companies 583.70 | |
| Dalance as at October 31, 1991 | 040.04 |
| The state of the s | And the second s |

The balance of the contingent reserve as at October 31,1936, of \$15,101.77 was absorbed by the charges made during 1930 leaving the System without any reserve for contingencies at the end of that year. The balance at vetober 31, 1931, of \$340.64 represents the provision was during the year ending at that date.



In respect of the charge of \$14,519.07, in 1900, shown shove. the following description is given:

Replacement of steel cable on the Gratian between Robbell Fulls and the Junction for Receiville, with steel reinforced slucings cable-

Total cost of the work Cost of steel reinforced aluminum cable

\$12.256.0¢

Loos - Portion of Renewals Reserve

1,718.31 13,977.27

Sandry expenditures

1,311,91

007.104.43

Total.

\$14,519.07

probability of losses and expenses arising from stores, accidents or other unforced conditions, we would recorred that a substantial contingency reserve be maintained in connection with this System, as, in our opinion, the policy adopted by the Consission of providing such a recerve, is sound.

ACCOUNTS WITH CONTRIBUTIONS

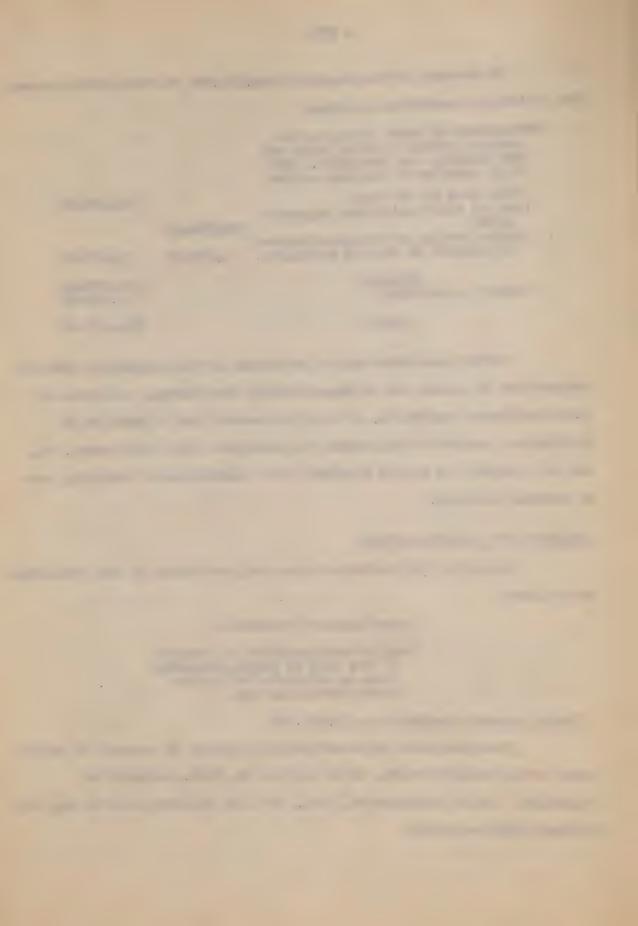
Accounts with Unmicipalities are min-divided by the Cormiccion as follows:

Power Accounts Descinable

Two by Uumicipalities in respect of the cost of power furnished than as determined under the Power Commission Act

Power Accounts Deceivable - 66.865.12:

These accounts represent usuald balances in respect of interial power bills rendered which, as at October 31, 1971, assumted to \$6,665.13. As at September 20, 1973, the date inquired into by us, all accounts had been paid.



The by Municipalities in Respect of Cost of Forer - 010,117.30:

At the close of each fiscal year, interim power bills rendered conthly, are adjusted to next the operating costs of the System, determined, as provided for in Sections 6c and 23 of the Tower Commission Act. Following are the amounts of the adjustments required of interia power bills rendered each year for the four years ending October 31, 1921 (cents emitted):

Particulars

Piscal year anding October 31 1918 1919 1916 1921

Arounts due by cortain Sumicipalities being the excess of the cost of power over the sums charged there-for, during the period

50,003 82,400 51,304 8 101

Deduct-

Anounts due to certain municipalities. being the excess of the most charged for power furnished. over the cost of nower during the period

717 9,500

Het amount due by or certain municipalities, based on the adjustment of coets as provided for by the Act

\$6.000 30.400 \$1.000 T.205

at October 31, 1931, the entire six candespalities comprising the System had debit balances accregating 319,117.30 representing under-payments for power, interest charges thereon, etc. For the survose of accertaining the length of time these debit balances were sutstanding we have prepared and have attached hereto. Exhibit IV. The care important features to which we would draw your attention in connection with the study of this Exhibit are ...

- (1) He each payments have been made on account
- (2) To accounts show charges one year following another indicating that interim rates do not cover the actual cost of power
- (3) he indicated by the column handed "year" it will be observed that the accounts extend back ever a period of years.

expected by the setting to a control of the second of the was the state of t With reference to the extension of time for the payment of accounts with municipalities, the Power Commission Act provides that during the first three years after any municipality shall first begin to take power from the Commission, the Commission may extend these for payment of the same payable.

It will be well to state that no payments have been made on these assumes advantage to Setcher 31, 1921.

* * * * * *

We shall be pleased to furnish any further information on the accounts of this Dystem which you may desire.

Yourd very truly.

Price, Haleston



HYDRO - MISCIBLE POWER COMMISSION OF OPTARIO WASDELL STSTMM - OPERATING ACCOUNT

| Particulars | Year ending October 31 | | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------|------------------------------------------------|------------------------------------------------|--|--|--|
| 213 4204414 0 | 1918 | 1919 | 1920 | 1921 | | | |
| REVENUE: | | | | | | | |
| From Hunicipalities From Private Companies and from Severn System | \$ 19.974.66 9,125.42 | \$ 16,214.76 18,508.94 | \$ 21,650.09 17,513.95 | \$ 21,588.58 20,803.60 | | | |
| Total Revenue | \$ 29,100.08 | 8 31,723.70 | \$ 39,164.04 | \$ 42,392.18 | | | |
| COST OF OPERATING, including portion of Adminis- trative Expense: | | | | | | | |
| Power Development and Transformer Stations- Operating- Labor | 8 3,342,22 | 3 4,240.16 | \$ 5,076.86 | \$ 5,255.69 | | | |
| Naterial and Expense | 454.46 | 1,110.76 | 1,030.54 | 2,452.77 | | | |
| Land, Puildings and Structures Electric Equipment Switchboards and Neters Hydraulic Machinery and Apparatus Miscellaneous Ngulpment | 305.84 321.86 107.19 919.76 | 403.08 166.54 285.36 417.82 | 428.72 862.23 170.98 | 435.70 698.41 268.35 312.64 307.57 | | | |
| Taxes, Insurance and General Expenses | 313,57 | 196.85 | 276.44 | 96.60 | | | |
| Transmission Lines- | 1 | | | | | | |
| Lande Patrolling Pole Lines Cenductors and Cables Miscellaneous Expense | 332.80 209.88 201.01 104.89 32.64 | 2.18 325.09 73.59 37.72 26.91 | \$2.66 \$44.61 193.67 158.94 28.85 | 94.84 716.30 440.49 68.31 | | | |
| Overhead Expense- | 3 002 30 | 3 049 44 | 2 045 66 | 1 200 01 | | | |
| Heed Office Salaries and Expenses Municipal Expenses Miscellaseous Expenses | 1,021.18 657.67 693.14 | 1,967.64 1,184.81 241.62 | 2,045.56 1,609.41 1,130.73 | 1,200.91 1,741.28 1,279.17 | | | |
| Total Expenses | \$ 9,018.11 | \$ 10,680.10 | \$ 14,732.52 | \$ 15,369.03 | | | |
| Balance before deducting Fixed Charges, etc. | \$ 20,081.97 | \$ 21,043.60 | \$ 24,431.52 | \$ 27,023.15 | | | |
| DEDUCT - Fixed Charges- Interest an Capital Investment Provision for Senewals Prevision for Sinking Fund Provision for Contingencies | \$ 10,630.73 9,301.89 | \$ 11,516.53 9,301.79 225.28 | \$ 13,526.10 5,938.36 8,296.52 253.24 | \$ 14,672.10 6,449.28 5,661.13 240.64 | | | |
| Total Fixed Charges | \$ 20,081.97 | \$ 21,043.60 | \$ 25,014.22 | \$ 27,023.15 | | | |
| Not less representing loss on sale of power to a Private Company, undistributed to Municipalities | | | \$ 582.70 | | | | |
| Loss transferred to Reserve for Contingencies | ** | | \$ 582.70 | | | | |



HYDRO - ALECTRIC POLER COMMISSION OF ORTARIO

WASDELL SYSTEM

AHALYSIS OF REVERUE FROM MUNICIPALITIES TOGSTHER WITH HORSE POWER LOADS AND RATES

(Subsidiary to Operating Account)

| | | Revenue | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|
| Particulare | Particulars Operating Renewal Adjustment Adjustment | | Adjusted | Average Horse Power | Actual Cost per H.P. (adjusted) | Interim Rates per H.P. | | |
| YEAR ENDING OCTOBER \$1,1918: | | | | | | During Fisc | al Year | |
| Beaverton Brechin Cannington Sunderland Woodwille Bevern System Total | \$ 4,418.23 3,551.69 4,316.14 3,968.07 3,380.53 9,125.42 \$29,100.08 | 831.71 823.90 819.01 822.92 688.98 | \$ 3,586.52 3,127.79 3,497.13 3,085.15 2,691.55 9,125.42 | 63.7 38.3 58.7 37.5 36.4 362.8 | \$ 56.30 81.67 59.58 82.27 73.94 (a) 25.15 | \$41. 50. 46. 50. 30. 25. | 21 00 79 00 | |
| YEAR ENDING OCTOBER 31,1919 : | \$25, 100.00 | # 2,400.05 | \$25,113.56 | 597.4 | | To April 50, 1919 | To Gotober 31,1919 | |
| Beavertom Brechin Canningtom Sunderland Woodville Severn System | \$ 3.784.47 3.143.49 3.500.39 3.097.47 2.688.94 15,508.94 | \$ 943.73 908.02 785.53 719.86 629.35 | \$ 2,840.74 2,235.47 2,714.86 2,377.61 2,059.59 15,508.94 | 85.2 46.6 68.1 45.7 42.1 613.4 | \$ 33.34 47.97 39.87 52.03 48.92 (a) 25.28 | #41.21 50.00 45.79 50.00 50.00 25.60 | \$45.00 \$5.00 \$6.00 \$5.00 \$5.00 \$5.00 | |
| Total " | \$31,723.70 | \$ 3,986.49 | \$27,737.21 | 961.1 | | | | |
| YEAR MEDING OCTOBER 31,1920: Be everton Brechin Cunnington Kirkfield (June 1920) Sunderland Woodville Crushed Stone Company, Limited Severn System Total | \$ 5,947.80 3,231,26 4,995.04 313.58 3,735.35 3,528.97 5,97.07 12,416.88 | | \$ 5,947.89 3,231.26 4,895.04 313.58 3,733.35 3,598.97 5,097.07 12,416.88 | 104.2 34.5 91.1 4.3 47.5 47.9 98.4 492.1 | \$ 57.08 93.66 60.36 (b) 72.92 78.60 73.67 (c) 51.80 (a) 25.23 | To January 1,1920 \$45.00 55.00 59.00 55.00 55.00 (See Seport) 25.00 | 70 October 31,1920 \$55.00 85.00 65.00 45.00 85.00 85.00 25.00 | |
| YEAR ENDING OCTOBER 21,1921: Peaverton Brachin Cannington Kirkfield Sunderland Woodwille Crushed Stone Company, Limited Severn System | \$ 5,586.08 3,237.72 4,214.74 982.08 3,649.50 3,918.46 8,440.00 12,363.60 \$42,392.18 | *** | \$ 5.586.08 5,237.72 4,214.74 982.08 5,649.50 5,918.46 8,440.60 12,363.60 \$42,392.18 | 107.4 39. 73.8 13.9 49.5 57.2 198.5 423.2 | \$ 52.01 83.02 57.11 70.65 73.73 68.50 (0) 42.52 29.21 | To December 31, 1920 \$55.00 85.00 65.00 45.00 80.00 (See Report) 25.00 | To October 31,1921 \$60.00 90.00 65.00 60.00 85.00 80.00 | |

NO TE:

- (a) Average herse power billed, reduced by line less thereby increasing the flat rate of \$25.00 used in interim power bills
- (b) Electrical power delivered to these municipalities during part of the year only, has been put on an annual basis

(c) Average selling price



HYDRO-RESCURIC POWER COMMISSION OF ORTARIO EASDREE SYSTEM

STATEMENT OF HORSE POWER LOADS AND RATES FOR THE 10 MONTHS ENDING AUGUST \$1,1922

| | | Rates per R. P. | | | | | | |
|---------------------------|---------------------------|-----------------------------------------------|-------------------------------------------|-----------------------------------------|--|--|--|--|
| | | | January 1 | to August 31 | | | | |
| Particulars No | Average Norse Power | To January 1 | Original | Adjusted Retroactive to January 1 | | | | |
| Besverton | 111.1 | \$60.00 | \$60.00 | \$65.00 | | | | |
| Brechin | 20.5 | 90.00 | 90.00 | | | | | |
| Canaington | 75.3 | 65.00 | 65.00 | | | | | |
| Kirkfield | 26.1 | 60.00 | 60.00 | | | | | |
| Sunderland | 39.4 | 85.00 | 85.00 | | | | | |
| Woodville | 49.9 | 80.00 | 80.00 | | | | | |
| Crushed Stone. Limited | 191.9 | 12.00 h.p.) plus 5.2.) 3.5 and .15/ K.W.H.) | 12.00 h.p.) plue 5.2, 3.5 and 15% K.W.R.) | | | | | |
| Severn System | 389.4 | 25.00 | 25.00 | | | | | |



HYDRO- ELECTRIC POWER COMMISSION OF ONTARIO

VASDELL SYSTEM RURAL LINES -OPERATIES ACCOUNT

| Particulare | | Yea | r | ending | 0 | ctober | 31 | and the six six six assertations and the |
|-------------------------------------------------------------------------------------|-------|------|---|--------|---|------------------|----|------------------------------------------|
| 2 OF VAVILACIS D | 19 | 18 | | 1919 | | 1920 | | 1921 |
| RIVERUS: | 1 | | | | | | 5 | |
| Interest and Sinking Fund collectible from Municipalities which operate lines | \$ 12 | 9.03 | | 618.85 | | 782.68 | Ý | 963.25 |
| Deduct- | | | | | | | 7 | |
| Interest on Capital Investment Provision for Sinking Fund | 616 | 0.00 | - | 478.54 | | 583.29 199.39 | 1 | 743.60 219.65 |
| | \$ 12 | 9.03 | - | 618.85 | | 782.68 | \$ | 963.25 |
| Palance | | 11 | | Wil | | Nil | | Nil |

Note:

Rural Lines operated by the municipalities of Beaverton, Brechin, Brock Township and Woodville which supply the power and pay the operating expenses.

HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

MAEDRIL SYSTEM

STATEMENT SHOWING BASIS OF AVRUAL RATE OF 25 FOR THE RESERVE FOR RENEVALS

| | Capital Investmen October 31 | it | | timated dual Value | Reserve | to be Pro | ATT- 17 1 |
|---------------------------------------------------------------------------------|----------------------------------------|-----------------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|---------------------------|
| Particulars | 0000001 32 | Mati- | % of | | - | (Sinking basis) | Fund |
| | Total Amount | Life (in Years) | In- vest- ment | | Total Amount | Amount | % of In- vest- ment |
| Transformer Stations: | | | | | | | |
| Sites Buildings Electrical Equipmen | \$ 1.261.00 3.896.00 t 21.058.00 | 60 25 | 20 20 100 | 1,261.00 779.00 4,212.00 | 3,117.00 16,846.00 | 13.10 | |
| Together | \$ 26,215.00 | • | ** | 6,252.00 | 19,963.00 | 417.61 | 1.593 |
| Transmission Lines: | | | | | | | |
| Right-of-Way Pole Line | \$ 9,727.00 95,937.00 | | 100 | 9,727.00 | 91,140.00 | 4.176.03 | |
| Power Cable- Aluminum Steel Copper Wire | 44.862.00 2,176.00 988.00 | 20 | 60 10 60 | Office of the state of the stat | 17,945.00 | 40.00 | |
| Together | \$153,690.00 | | SALE SALE | | | | |
| | Amon 2 000 \$ 00 | | | TE, EDE, UV | 111,438.00 | 9,282,66 | 2,787 |
| Generating Plant: Site | She of the order of the same | | | | | | |
| Excavation Rock | \$ 8,140.00 16,163.00 | | 100 | 8,140.00 16,163.00 | ** | • | |
| Dan | 7,621,00 | | ************************************** | was wante | 7,621.00 | 6.16 | |
| Power House Sub- station (concrete) Power House Super- structure (con- | 18,482.00 | | * | 46 | 18,482.00 | 14.93 | |
| Grete) Winch and Head Gate | 18,482.00 | 100 | 1000 | ** | 18,482.00 | 14.93 | |
| Meetrical Equip- | 3,381,00 | 25 | 5 | 189.00 | 3,212.00 | 77.13 | |
| ment | 40,047.00 | 25 | 20 | 8.009.00 | 32,038,00 | 769.30 | |
| Turbines Mechanical Equip- | 23,659.00 | 25 | 10 | 2,366.00 | 21,293.00 | 511.29 | |
| ment | 713.00 | 25 | 5 | 36.00 | 677.00 | 16.26 | |
| Auxiliary Buildings | 5,072,00 | 30 | 5 | 254.00 | 4,818.00 | 85.90 | |
| Together | \$141,760.00 | * | 40 | 35,137,00 | 106,623.00 | 1,495.90 | 1.055 |
| Totals | \$321,565.00 | * | • | 83,541.00 | 238,024.00 | 6,196,17 | 1.926 |

(Total Capital Investment, per books, at October 31, 1920 \$321,865.43)



MANDRIL SYSTEM

Statement of Accounts due by Municipalities in respect of the Cost of Power at October 31, 1921, still unpaid at September 20, 1922.

| Municipality | Year | Charge | Interest | Adjustments | Balance |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------------|--------------|----------------|---------------------|
| Notes of the second | | - 1.3 a & b | | | 31,1921 |
| Beaverton | 3030 | A4 0 . 0 MM | | | |
| Dest bledi | 1915 | \$3,244.06 | 400. | - | 4 |
| | 1916 | 1,925.62 | 129.77 | 4964 | |
| | 1917 | 927.70 | 211.98 | ** | |
| | 1918 | 1,793.51 | 257.57 | - | |
| | 1919 | 183.68 | 339.61 | - | 4,751,99 |
| | 1920 | 640.30 | 169.06 | ** | |
| | 1921 | 485.62 | 201.45 | (1) 4, 786. W | |
| rechin | 1915 | * *** | | | |
| NA SPATER | | 1,373.98 | ** | - | |
| | 1916 | 1,323.32 | 54.95 | • | |
| | 1917 | 654.59 | 110.08 | 1601 | |
| | 1918 | 2,041.90 | 140.67 | ** | |
| | 1919 | 693.83 | 227.98 | ** | 3,680,19 |
| | 1920 | 542.14 | 118.47 | ** | |
| | 1921 | 87.09 | 144.89 | (1) 3,659.49 | |
| Cannington | 1915 | 2,881.20 | | _ | |
| Commence of the same of the sa | 1916 | 1,991,19 | 115.25 | | |
| | 1917 | 1.000.93 | | • | |
| | 1918 | 3 600 30 | 195.50 | * | 1 |
| | | 1,627.15 | 243,36 | - | |
| | 1919 | 304.08 | 318.18 | • | 3,645.65 |
| . 1.1 | 1920 | 71.65 | 159.11 | *** | 1 |
| 2 | 1921 | 582, 21 | 162.61 | (1) 4,599.05 | |
| irkfield ! | 1920 | 121,21 | Sper | ** | |
| | 1921 | 180.96 | 4.85 | * | 307.02 |
| underland | 1915 | * *** | | | |
| MENGT TWIN | | 1,865.55 | All and also | • | |
| | 1916 | 1,255.44 | 74.62 | - | |
| | 1917 | 1,035.88 | 127.83 | ** | |
| | 1918 | 2,031,25 | 174.37 | - | 1 |
| | 1919 | 758.60 | 262.60 | ** | 3,587.46 |
| | 1920 | ÷ 46 | 154.51 | 400 | |
| | 1921 | who a sile | 159.30 | (1) 1, 7.1. 11 | |
| opáville | 1915 | 2,184.71 | ** | | |
| | 1916 | 1,475.37 | 87.30 | | |
| | 1917 | 1,039.53 | 149.92 | | |
| | 1918 | 1,499.58 | 197.08 | | |
| | 1919 | 539.82 | 254.94 | * | |
| | 1920 | de de la | 144.87 | • | 19 79 4 40 40 40 40 |
| | 1921 | | | 411 0 Barrier | 3,145.08 |
| | *** | The man of the second | 146.24 | (1) 3,805.54 | |
| | | **** | | | 4 |
| | | Potal | | | \$19,117,39 |

Note:

⁽¹⁾ Represents reduction in Reserve for Renewals from commencement of operations to October 31, 1919.

No payments sere made on account subsequent to October 31, 1921.



CPRESTED BY THE CARRIESTON

Excerpts from Agreement dated April 2, 1913, entered into by the hydro-Electric lower Commission of Ontario and the Municipal Corporation of the Folice Village of Brechin

The Commission agrees with the Corporation to reserve and deliver at the earliest possible date, fifty horse power (50 H.P.) or more of electrical energy and power to the Corporation, and at the expiration of a ressonable notice in writing, which may be given by the Corporation from time to time during the continuance of this agreement, to reserve and deliver to the Corporation, additional electric energy and power when called for.

In consideration of the foregoing covenants, the Corporation agrees with the Commission:-

To pay annually, interest at 4% per asmum upon the Corporation's proportionate part (based on the quantity of electrical energy or power taken) of all moneys expended by the Commission on capital account for the acquiring of properties and rights, the acquiring and construction of generating plants, transformer stations, transmission lines, distributing stations and other works necessary for the delivery of said electrical energy or power to the Corporation under the terms of this contract.

Also to pay an annual sinking fund instalment of such amount as to form at the end of 30 years, with accrued interest, a sinking fund sufficient to repay the Corporation's proportionate part, based as aforesaid, of all moneys advanced by the Province of Untario for the acquiring of properties and rights, the acquiring and construction of generating plants, transformer stations, transmission lines, distributing stations and other work necessary for the delivery of said electrical energy or power delivered to the Corporation under the terms of this contract. Also to pay the Corporation's proportionate part, based as aforesaid, of the cost of lost power, operating, generating, maintaining, repairing, renewing and insuring said generating plants, transformer stations, transmission lines, distributing stations and other necessary serks.

Also to pay a proportionate part, based as aforesaid, of any adpinistration and rentals which may be necessary.

The amounts payable under this contract shall be paid in twelve monthly payments, and bills shall be rendered by the Conmission on or before the jth day and paid by the Corporatios on or before the lith day of each month. All payments in arrears shall bear interest at the legal rate.

To take electric power exclusively during the continuance of this agreement from the Commission.

the stage of the second of the

To pay for three-fourths of the power ordered from time to time by the Corporation and held in reserve for it as herein provided whether it takes the same or not. When the greatest amount of power taken for any twenty consecutive minutes during any month shall exceed during the twenty consecutive minutes three-fourths of the amount ordered by the Corporation and held in reserve, then the Corporation shall pay for this greater amount during the entire month.

If the Corporation during any month takes more than the amount of power ordered and held in reserve for twenty consecutive minutes, the taking of such excess shall thereafter constitute an obligation on the part of the Corporation to pay for and on the part of the Commission to hold in reserve an additional block of power in accordance with the terms and conditions of this contract.

Then the power factor of the greatest amount of power taken for said twenty consecutive minutes falls below 90% the Corporation shall pay for 90% of said power divided by the power factor.

This agreement shall remain in force for thirty years from the date of the first delivery of power under this contract.

The Commission shall at least annually adjust and apportion the amount or amounts payable by the Eunicipal Corporation or Corporations for such power and such interest, sinking fund, lost power, cost of generating, operating, maintaining, repairing, renewing and insuring said works.

If at any time any other Eunicipal Corporation or pursuant to said Act. any railway or distributing Company, or any other Corporation or person, applies to the Commission for a supply of power, the Commission shall notify the applicant and the Corporation in writing, of a time and place and hear all representations that may be made as to the terms and conditions for such supply.

In determining the quantity of power supplied to a Sumicipal Corporation, the quantity supplied by the Commission within the limits of the Corporation to any applicant, other than a Sumicipal Corporation, shall be computed as part of the quantity supplied to such Corporation, but such Corporation shall not be liable to pay for the power so supplied, or otherwise in respect thereof no power shall be supplied by the Sumicipal Corporation to any railway or distributing Company without the written consent of the Commission. Power shall not be sold for less than the cost and without discrimination as regards price and quantity.

It is hereby declared that the Commission is to be a trustee of all property held by the Commission under this agreement for the Corporation or Corporations supplied by the Commission, but the Commission shall be entitled to a lien upon

Trans.

action and are repealed. At the explication of this expectation of this expectant the expectant of the explication of this expectation of the expectation of the composition and expectation and expectation of the Composition and expectation by the Composition that the country and the composition of this expectation and expectation of the Composition and expectation to the Composition and expectation to the Composition and expectation to the Composition and expectation of the Composition and expectations are solvented and the Composition and

the formation to singlying power, the Constants may open applies the Constants and the spent applies of the Constants may open applies of the Constant and the



